

# Acronyms and Abbreviations

Abbreviation or Acronym	Definition
A	Amperage
AC	Alternating current
ACSR	Aluminum Conductor Steel Reinforced
AFS	Auxiliary feedwater system
AIS	Agricultural Impact Statement
AIT	Augmented Inspection Team
AP-8	Advance Plan 8
ATC	Available transfer capacity
ATCo	American Transmission Company, LLC
BACT	Best Available Control Technology
BER	Bureau of Endangered Resources
BLM	Bureau of Land Management
BMP	Best Management Practices
BPA	Bonneville Power Administrations
BTU	British Thermal Unit
CC	Combined Cycle
CCC	Civilian Conservation Corps
CE	Commonwealth Edison
CNC	Concerned Northwoods Citizens
CO	Carbon monoxide
CO <sub>2</sub>	Carbon dioxide
COE	United States Army Corps of Engineers
Commission	Public Service Commission of Wisconsin
CPCN	Certificate of Public Convenience and Necessity
CRP	Conservation Reserve Program
CT	Combustion turbine
CUB	Citizen's Utility Board
DATCP	Wisconsin Department of Agriculture, Trade and Consumer Protection
dB	Decibels
dBA	A-weighted curve
DC	Direct current

<b>Abbreviation or Acronym</b>	<b>Definition</b>
DM&IR	Duluth, Missabe and Iron Range Railway Company
DNR	Wisconsin Department of Natural Resources
DOA	Wisconsin Department of Administration
DOE	US Department of Energy
DOT	Wisconsin Department of Transportation
DPC	Dairyland Power Cooperative
DSM	Demand side management
D-SMES	Distributed superconducting magnetic energy storage
DWD	Wisconsin Department of Workforce Development
EA	Environmental Assessment
EHS	Extremely high strength
EHV	Extra-high-voltage
EIA	Energy Information Agency
EIS	Environmental Impact Statement
ELF	Extremely low frequency
EMF	Electromagnetic fields
EMI	Electromagnetic interference
EPA	Environmental Protection Agency
EPRI	Electric Power Research Institute
ERW	Exceptional Resources Water
EWU	Eastern Wisconsin Utilities
FAA	Federal Aviation Administration
FCITC	First-contingency incremental transfer capability
FCTTC	First-contingency total transfer capability
FERC	Federal Energy Regulatory Commission
FMA	Fisheries Management Area
FSA	Farm Service Agency
FTR	Financial transmission rights
G	Gauss
GIS	Geographic Information System
gpm	Gallons per minute
GPS	Global Positioning System
GWH	Gigawatt hour
HDD	Horizontal directional drilling
HHI	Herfindahl-Hirschman Index
HPFF	High pressure fluid filled
HVAC	Heating ventilating and air conditioning

<b>Abbreviation or Acronym</b>	<b>Definition</b>
HVDC	High voltage direct current
Hz	Hertz
IARC	International Agency for Research Cancer
ICD	Implantable cardiovascular defibrillators
IPP	Independent power producers
ISO	Independent system operator
kV	Kilovolt
kVA	Kilovolt ampere
kVm	Kilovolts per meter
kW	Kilowatt
kWh	Kilowatt hour
LAUS	Local Area Unemployment Statistics
LCD	Land Conservation Department
LCO	Lac Courte Oreilles
LLR	Line loading relief
LMP	Locational marginal pricing
LOLE	Loss-of-load expectation
MAIN	Mid-America Interpool Network
MAPP	Mid-Continent Area Power Pool
MBTU	Million British Thermal Unit
MCFC	Molten carbonate
MEQB	Minnesota Environmental Quality Board
MEUW	Municipal Electric Utilities of Wisconsin
mg	Milligauss
MGE	Madison Gas and Electric
MISO	Midwest independent system operator
Mosinee	Wausau Mosinee Papers Corporation
MP	Minnesota Power
MP Telecom	Minnesota Power Telecom Inc.
MPUC	Minnesota Public Utilities Commission
MVA	Megavolt amperes
MRO	Midwest Reliability Organization
MW	Megawatt
MWh	Megawatt hour
NAAQS	National Ambient Air Quality Standards
NASA	National Aeronautic and Space Administration
NAWO	North American Water Office

<b>Abbreviation or Acronym</b>	<b>Definition</b>
Nekoosa	Georgia Pacific Papers
NEPA	National Environmental Policy Act
NERC	North American Electric Reliability Council
NESC	National Electric Safety Code
NEV	Neutral to earth voltage
NHI	Wisconsin Natural Heritage Inventory
NIEHS	National Institute of Environmental Health Sciences
NOx	Nitrogen oxides
NPS	National Park Service
NRC	Nuclear Regulatory Commission
NRCS	Natural Resource Conservation Service
NRI	National rivers inventory
NSP	Northern States Power Company
NSPW	Northern States Power Company-Wisconsin
NSR	National scenic riverways
NST	National scenic trails
O&M	Operations and Maintenance
OASIS	Open-access same-time information system
OATT	Open-access transmission tariffs
OC	Optical carrier
OERW	Outstanding and Exceptional Resource Water
OR	Odds Ratio
ORW	Outstanding Resources Water
PAFC	Phosphoric acid fuel cell
PEM	Proton exchange membrane
PG&E	Pacific Gas and Electric
PH	Potential of hydrogen
PM	Particulates
PSCW	Public Service Commission of Wisconsin
PURPA	Public Utility Regulatory Policy Act
PVRR	Present Value Revenue Requirement
RAPID	Research and Public Information Dissemination
RDI	Resource Data International Inc.
REPS	Wisconsin Rural Electric Power Services
RFP	Request for proposal
ROW	Right-of-way
RR	Relative Risk

<b>Abbreviation or Acronym</b>	<b>Definition</b>
RTO	Regional transmission organizations
RTP	Real time pricing
SEA	Strategic Energy Assessment
SHSW	State Historical Society of Wisconsin
SNA	State Natural Area
SO <sub>2</sub>	Sulfur dioxide
SOFC	Solid oxide
SOUL	Save Our Unique Land
STEP	Statewide Technical and Economic Potential
SWL&P	Superior Water, Light and Power Company
TAP	Targeted area planning
TLR	Transmission loading relief
TTC	Total transmission capacity
USDA	United States Department of Agriculture
USFS	United States Forest Service
USFWS	United States Fish and Wildlife Service
μA	Microamperes
μT	Microtesla
UW-SP	University of Wisconsin – Stevens Point
V/m	Volts per meter
WAC	Wisconsin Alliance of Cities
WED	Wisconsin's Environmental Decade
WEPA	Wisconsin Environmental Policy Act
WEPCO	Wisconsin Electric Power Company
Wh	Watt-hour
WIRE	Wisconsin Reliability Enhancement
WISCLAND	Wisconsin Initiative for Statewide Cooperation on Landscape Analysis and Data
WMA	Wildlife Management Area
WNHI	Wisconsin Natural Heritage Inventory
WOLF	World Organization for Landowners Freedom
WPC	Wisconsin Paper Council
WP&L	Wisconsin Power and Light Company
WPPI	Wisconsin Public Power Inc.
WRAO	Wisconsin Reliability Assessment Organization
WRP	Wetland Reserve Program
WTE	Waste to Energy

Abbreviation or Acronym	Definition
WRPO	Wetland Reserve Plans of Operation
WUMS	Wisconsin-Upper Michigan System
WWU	Western Wisconsin Utilities